| FHWA REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | MD | SEE TITLE SHEET | 1 | 2 |

MD 140 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

## PROPOSED SIGNS

17,18 — LEFT TURN YIELD ON GREEN — R 10-12 30"x36"

19 — R3-5L 30" x 36"

20 — R3-5R 30" x 36"

21,22,23,24 — PUSH BUTTON TO CROSS MD 140; START CROSSING WHEN NO VEHICLES COME; DON'T START FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R 10-4(1) 9" x 12"

## EXISTING SIGNS

30,32 — SCHOOL — S1-1 36"x36" — BLACK ON YELLOW (TYP.)

25,27 — S2-1 36"x36" M6-2 21"x15" — BLACK ON FLUORESCENT YELLOW/GREEN (TYP.)

26,28 — S2-1 36"x36" M6-2 21"x15" — BLACK ON WHITE (TYP.)

29,31 — AHEAD — S1-1(1) 36"x42"

PROPOSED 25a SIGNS — SCHOOL X-ING — S2-1(2) 96"x36"

30,32 — SCHOOL — S1-1(1) 36"x42"

EXISTING SIGNS TO REMOVED AND REPLACED BY NEW SIGNS #30 AND #32

SEE SIGNING/PAVEMENT MARKING PLAN FOR DRIVEWAY MARKING PLAN

## EXISTING SIGNALS

3 4 13

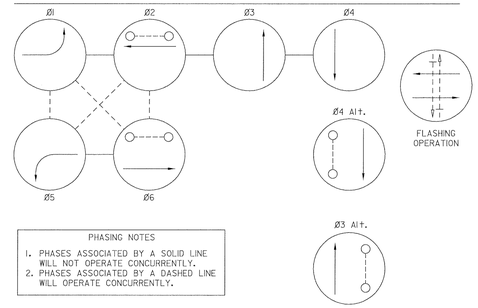
R Y G — 12" — R Y G — 12" 12"/8" — 12"

## PROPOSED SIGNALS

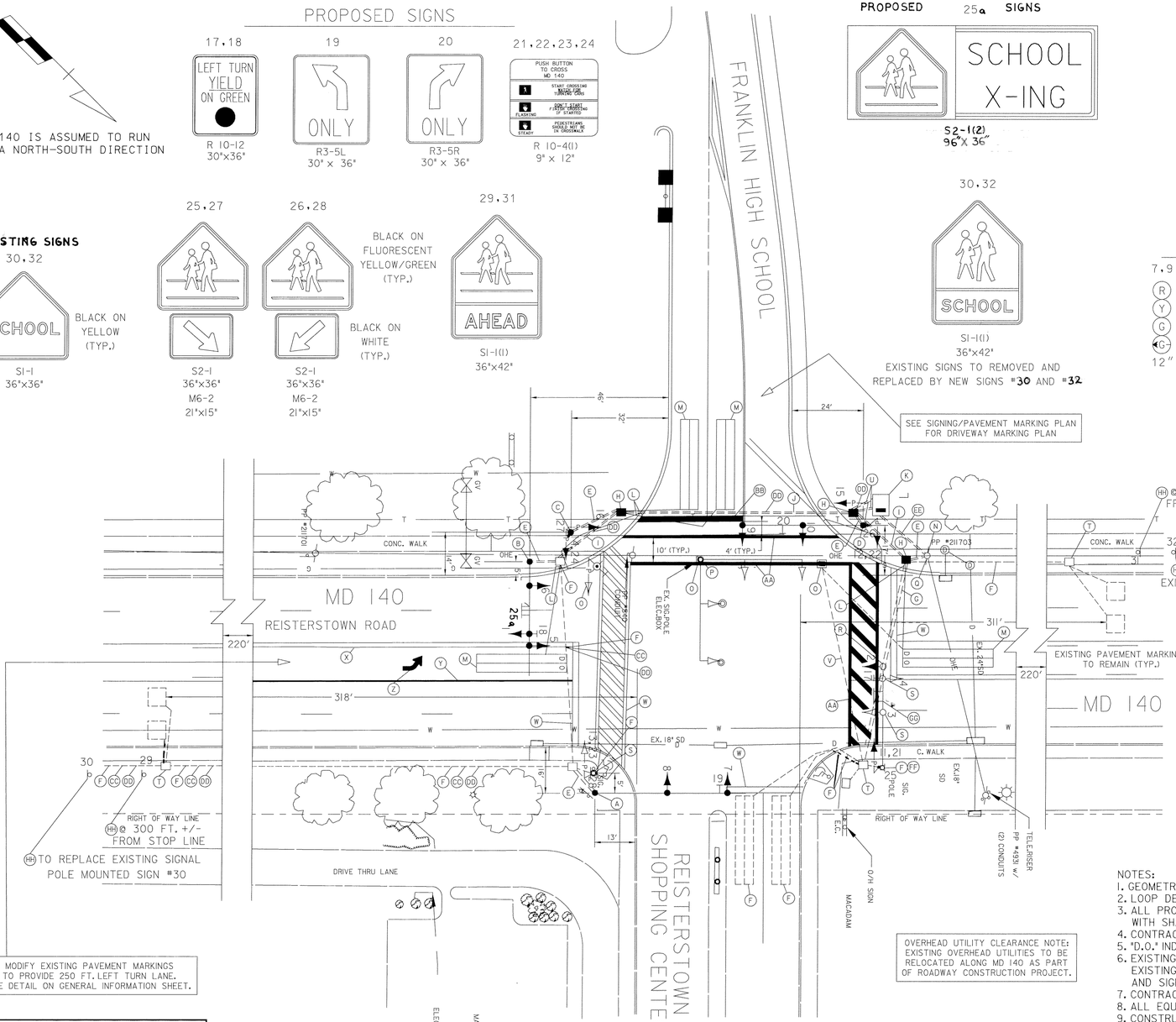
7,9 6,8,10 1 2,5 11,12,14, 15,16

R Y G — 12" — R Y G — 12" — R Y G — 12"/8" — R Y G — 12" — R Y G — 12"

## NEMA PHASING




PHASING NOTES
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.




## CONSTRUCTION DETAILS

A. INSTALL 21 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM, SIGN AND TRAFFIC SIGNAL HEADS. (NOTE: 1-2 IN. SCHEDULE 80, 90 DEGREE PVC BEND)

B. INSTALL 21 FT. STEEL POLE WITH A SINGLE 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS AND SIGN. (NOTE: 1-2 IN. SCHEDULE 80, 90 DEGREE PVC BEND)

C. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEADS AND PUSH BUTTON ASSEMBLIES WITH SIGNS. INSTALL PEDESTRIAN CROSSING SIGNS (NOTE: 1-2IN. SCHEDULE 80, 90 DEGREE PVC BEND)

D. INSTALL 21 FT. STEEL POLE WITH A SINGLE 38 FT. MAST ARM, SIGNAL HEADS, SIGNS AND PEDESTRIAN PUSH BUTTON WITH SIGN. (NOTE: 1-2 IN. SCHEDULE 80, 90 DEGREE PVC BEND)

E. INSTALL 2 IN. SCHEDULE 80 PVC CONDUIT (TRENCHED).

F. EXISTING SIGNAL EQUIPMENT TO REMAIN.

G. INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT (SLOTTED)

H. INSTALL HAND HOLE.

I. INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT TRENCHED PRIOR TO SIDEWALK CONSTRUCTION.

J. INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT (TRENCHED DURING ROADWAY CONSTRUCTION).

K. INSTALL BASE MOUNTED NEMA 6 CABINET AND CONTROLLER WITH ALL NECESSARY CONTROL AND DISTRIBUTION EQUIPMENT, METER AND DISCONNECT (NOTE: 2-4 IN. AND 3-2 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS).

L. INSTALL 1 IN. GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

M. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE (3-6-3) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.

N. PULL EXISTING INTERCONNECT CABLE FROM EXISTING POLE TO EXISTING CONTROLLER AND INSTALL IN NEW CONDUIT AND PROPOSED CONTROLLER.

O. REMOVE EXISTING SIGNAL EQUIPMENT (CONTROLLER, CABINET, MAST ARM, POLE, DUAL MAST ARM, PEDESTAL POLE, SIGNAL HEADS, SIGNS, HAND HOLE WIRING AND PUSH BUTTON).

P. DISCONNECT EXISTING ELECTRICAL SERVICE.

Q. PROPOSED ELECTRICAL SERVICE.

R. REMOVE EXISTING 3-SECTION SIGNAL HEAD AND INSTALL 5-SECTION SIGNAL HEAD.

S. REWIRE EXISTING SIGNAL HEADS AND PUSH BUTTON FROM DEVICE TO CONTROLLER, REPLACE PUSH BUTTON AND PEDESTRIAN CROSSING SIGNS.

T. REWIRE EXISTING DETECTORS FROM HAND HOLE TO CONTROLLER.

U. INSTALL 4 IN. SCHEDULE 80 PVC CONDUIT (TRENCHED).

V. EXISTING CONDUIT TO BE ABANDONED.

W. REPLACE 24 IN. STOP LINE AND/OR 12 IN. CROSS WALK.

X. INSTALL 6 IN. SOLID YELLOW PERMANENT PREFORMED PAVEMENT MARKING TAPE.

Y. INSTALL 6 IN. SOLID WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE.

Z. INSTALL PERMANENT PREFORMED PAVEMENT MARKING ARROW.

AA. INSTALL 12 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE (CROSSWALK).

BB. INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE (STOP LINE).

CC. REMOVE EXISTING INTERCONNECT CABLE.

DD. INSTALL NEW INTERCONNECT CABLE FROM PROPOSED CONTROLLER TO EXISTING CONTROLLER AT MD 140/FRANKLIN BLVD. INTERSECTION.

EE. PROPOSED UNDERGROUND SERVICE IN 2 IN. SCHEDULE 80 PVC CONDUIT PLACED PRIOR TO SIDEWALK CONSTRUCTION.

FF. INSTALL PEDESTRIAN SIGNAL, PUSH BUTTON, AND SIGNS ON EXISTING SIGNAL POLE.

GG. ~~REMOVE RELOCATE~~ EXISTING MAST ARM MOUNTED PEDESTRIAN CROSSING SIGN ~~TO NEW MAST ARM.~~ 25R.

HH. REMOVE EXISTING ADVANCED SCHOOL SIGNS AND INSTALL NEW CROSSWALK SIGNS ON 4"x4" WOOD POSTS OR POLE MOUNTED AT LOCATIONS IDENTIFIED ON PLAN.

NOTES:
1. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
2. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. ALL PROPOSED PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS. CONTRACTOR TO REMOVE CONFLICTING PAVEMENT MARKINGS BY METHOD APPROVED BY SHA.
4. CONTRACTOR SHALL REMOVE EQUIPMENT AS NOTED (MAST ARM POLES AND ARMS, CABINET, SIGNALS, SIGNS, ETC.).
5. "D.O." INDICATES DELAY OUTPUT DETECTOR.
6. EXISTING SIGNAL SHALL REMAIN IN OPERATION UNTIL NEW SIGNALS ARE ACTIVATED. EXISTING SIGNS SHALL REMAIN UNTIL EXISTING SIGNALS ARE REMOVED. NEW SIGNS SHALL BE IN PLACE PRIOR TO REMOVAL OF EXISTING SIGNS. NEW SIGNALS AND SIGNS SHALL BE BAGGED/COVERED AS DIRECTED BY THE ENGINEER UNTIL OPERATIONAL.
7. CONTRACTOR TO EXERCISE CAUTION WHEN REMOVING CURB, SIDEWALK AND PAVEMENT IN THE VICINITY OF EXISTING CONDUIT.
8. ALL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
9. CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS (SHA, OCTOBER, 1993) AND ALL AMENDMENTS.
10. EXACT SIGNAL HEAD AND SIGN LOCATIONS WILL BE DETERMINED BY THE MARYLAND SHA IN THE FIELD.

### GEOMETRIC LEGEND

========== EXISTING GEOMETRICS
========== PROPOSED GEOMETRICS

### UTILITY LEGEND

A — A — AERIAL CABLES
G — G — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
D — D — STORM DRAIN
T — T — TELEPHONE CABLES

WHITNEY BAILEY COX MAGNANI

| REVISIONS | APPROVALS |
|---|---|
| C OCTOBER, 8 1998 SIGNAL MODIFICATION FOR NEW ACCESS TO FRANKLIN HIGH SCHOOL | CHIEF, SIGNAL DESIGN SECTION |
| B NOVEMBER, 15 1994 REBUILD AND INSTALL INTERCONNECT. S.H.A. No.: B-156-501-485 | ASST. DISTRICT ENGINEER, TRAFFIC |
| | CHIEF, TRAFFIC ENGINEERING DESIGN DIV. |
| | DIRECTOR, OFFICE OF TRAFFIC & SAFETY |

ORIGINAL ON FILE

MDOT - STATE HIGHWAY ADMINISTRATION
*OFFICE OF TRAFFIC & SAFETY*
TRAFFIC ENGINEERING DESIGN DIVISION SIGNAL # 030114008.17

| | | | |
|---|---|---|---|
| DRAWN BY: J. Gordon | MD 140 at Reisterstown Shopping Center | | |
| DES. BY: -- | LOG MILE NO. | COUNTY: BALTIMORE | |
| CHK. BY: S. Renzi | | | |
| DATE: JUNE 11, 1973 | F.A.P. NO. N/A | TS/STD. NO. 943 C | SHEET NO. 1 OF 2 |
| SCALE: 1" = 20' | S.H.A. NO. Bw 217 M83 | | |